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# Notes on Forestry and Wood Use

Roy C. Brundage

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CO-OPERATIVE EXTENSION WORK  
IN  
AGRICULTURE AND HOME ECONOMICS  
STATE OF INDIANA



PURDUE UNIVERSITY AGRICULTURAL EXTENSION  
SERVICE, AND U. S. DEPARTMENT OF  
AGRICULTURE CO-OPERATING

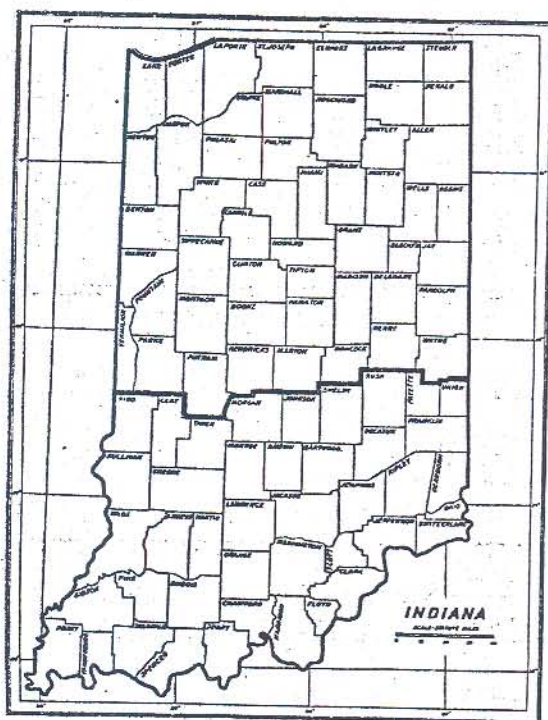


AGRICULTURAL EXTENSION SERVICE  
LAFAYETTE, INDIANA

March 1957

Mimeo F-23-2

Price Report on INDIANA Timber Products  
by  
Roy C. Brundage  
Associate Professor of Forestry



Prices given in this report pertain to those paid during March 1957. They were obtained from questionnaires returned by more than 100 operators of primary wood-using industries. These include sawmills, commercial veneer mills, container veneer plants, handle companies and others. Crosstie and switch tie prices were given by yard operators, also. Price quotations were requested on basis of Purdue Log grades (see back sheet). In determining the charges for timber cutting, hauling and sawing, the sawmills were put into two classes: commercial mills and custom mills. All quotations per thousand board feet are based on the Doyle log scale.

There is a differential in timber values between northern and southern Indiana. For this report, the state was divided into two parts, (see map), and summarized accordingly.

Assistance in preparing the questionnaire used and in collecting the price reports was given by Robert Straszheim, Chief Agricultural statistician, Agricultural Marketing Service, U. S. Department of Agriculture at Purdue University.

Cooperative Extension Work in Agriculture and Home Economics  
State of Indiana, Purdue University  
and the United States Department of Agriculture Cooperating  
H. J. Reed, Director, Lafayette, Indiana  
Issued in furtherance of the Acts of May 8 and June 30, 1914.



# Delivered Prices of Saw Logs

## Northern Indiana

Species	Prime		Number One		Number Two		Number Three	
	Range	Average	Range	Average	Range	Average	Range	Average
46 White Ash	\$75-120	\$91	\$55-100	\$69	\$25-60	\$43	\$20-50	\$32
41 Basswood	60-120	86	45-100	61	30-65	42	20-40	32
77 Beech	40-60	52	30-60	41	20-60	35	15-35	29
75 Cottonwood	40-65	48	27-55	38	20-50	34	15-25	20
41 Cherry	65-160	110	50-90	68	30-57	43	20-35	27
56 Elm	35-60	49	25-60	39	25-60	33	15-30	21
6 Hickory	42-60	49	25-50	35	20-50	32	15-35	25
41 Sugar Maple	60-150	98	55-110	74	40-65	52	20-40	33
41 Soft Maple	60-120	76	40-100	57	25-60	39	15-40	31
21 White Oak	65-140	93	50-110	71	35-70	46	20-50	37
35 Red Oak	50-110	77	45-90	61	30-50	41	20-40	30
7 Black Oak	45-110	60	25-90	44	25-50	33	20-40	26
46 Tulip Poplar	70-150	94	45-100	69	30-65	42	20-40	35
74 Sycamore	35-60	46	25-50	35	20-50	33	15-30	22
11 Black Walnut	100-300	176	75-200	114	45-100	64	20-70	40

# Delivered Prices of Saw Logs

## Southern Indiana

Species	Prime		Number One		Number Two		Number Three	
	Range	Average	Range	Average	Range	Average	Range	Average
White ash	\$60-100	\$71	\$40-72	\$55	\$40-57	\$41	\$20-45	\$31
Basswood	50-90	73	40-80	54	30-50	41	20-50	31
Beech	50-80	57	40-57	45	25-45	36	20-30	27
Cottonwood	40-55	46	30-50	42	25-50	37	20-45	30
Cherry	80-150	110	45-100	74	35-70	47	20-50	34
Elm	40-55	47 48	30-50	40 40	20-40	36 35	15-40	29 25
Hickory	40-60	42 40	30-50	39 37	30-45	37 35	20-40	30 28
Sugar Maple	70-125	85 92	50-100	69 71	40-70	50 51	20-50	33 33
Soft Maple	50-100	72 74	40-80	55 56	30-60	42 41	15-42	31 31
White Oak	70-125	92 93	45-90	68 70	40-70	49 48	20-50	35 36
Red Oak	70-100	81 79	40-75	56 59	30-57	44 43	20-45	33 32
Black Oak	60-90	76 68	40-72	55 61	30-57	42 37	20-42	33 29
Tulip Poplar	70-100	86 90	50-85	63 66	30-75	48 45	30-60	36 36
Sycamore	30-60	51 49	30-50	42 39	20-45	32 33	20-45	28 25
Sweet Gum	40-80	57 57	35-60	43 43	30-45	34 34	20-45	32 -
Black Walnut	80-225	143 160	50-125	91 103	40-80	67 66	20-80	41 41



# Delivered Prices of Commercial Veneer Logs

## Northern Indiana

Species	Log Diam.	Prime Logs		Select Logs	
		Range	Average	Range	Average
White Oak	16-20"	\$100-150	\$117	\$ 60-100	\$ 81
	21-23	125-250	141	80-200	121
	24 f	150-300	208	100-250	159
Red Oak	20-23	80-100	87	60-85	61
	24 f	85-125	99	60-95	71
Sugar Maple	16-20	90-150	143	70-100	84
	21-23	100-250	170	75-170	115
	24 f	125-250	174	100-200	138
Tulip Poplar	16-20	50-100	81	-	-
	21-23	50-150	92	-	-
	24 f	60-150	97	-	-
Black Walnut	16-20	125-350	242	90-250	161
	21-23	225-400	320	120-350	249
	24-27	250-500	400	150-450	320
	28 f	400-600	466	200-450	342

# Delivered Prices of Commercial Veneer Logs

## Southern Indiana

Species	Log Diam.	Prime Logs		Select Logs	
		Range	Average	Range	Average
White Oak	16-20"	\$140-200	\$158 138	-	- 81
	21-23	200-400	236 189	120-250	\$157 139
	24 f	250-400	309 259	150-300	210 185
Red Oak	20-23	90-150	128 108 99	70-100	86 74 71
Sugar Maple	16-20	100-200	150 147	-	-
	21-23	150-300	200 185	120-130	125 84
	24 f	150-300	204 189	120-130	125 120 132
Tulip Poplar	16-20	100-150	126 104	-	-
	21-23	110-150	134 113	50-75	62 62
	24 f	110-150	136 189	60-100	74 74
Black Walnut	16-20	200-350	280 261	166-250	195 178
	21-23	225-400	346 333	200-250	233 241
	24-27	250-500	400 400	200-350	266 293
	28 f	350-600	483 440	250-350	325 334



# Delivered Price - Container Veneer Logs

## Northern Area (Includes mills in adjacent states)

Species	Prime Logs Range	Average	Number One Logs Range	Average	Number Two Logs Range	Average
Beech	\$50-60	\$57	\$50-60	\$54	\$25-35	\$31
Soft Maple	50-100	79	50-75	64	40-50	46
Cottonwood	35-55	48	35-55	42	25-35	32
Elm	35-55	48	35-55	42	25-35	32

## Southern Area

Beech	\$50-60	\$55	-	-	\$25-35	\$30
Soft Maple	55-60	58	45-50	58	30-40	35
Sycamore	50-60	55	40-45	43	25-35	30
Sweet Gum	55-60	57	40-50	45	30-35	32
Black Gum	50-60	55	40-50	45	30-35	32

## Delivered Prices of Crossties (8½ feet in length) (Northern and Southern Areas combined)

Tie Grade	Prices per Crosstie		Prices per Crosstie	
	White Oak Range	Red Oak Average	Beech Range	Average
No. 5	\$2.25-2.70	\$2.46	\$2.00-2.40	\$2.24
No. 4	2.05-2.40	2.24	1.80-2.25	2.06
No. 3	1.60-1.95	1.75	1.36-1.70	1.52
No. 2	1.10-1.50	1.34	1.20-1.30	1.23

## Delivered Prices of Oak Switch Ties (All areas)

Range Per M.B.M.	Average
\$52.50-\$75.00	\$63.00

## Delivered Prices - Piling (Northern area)

Permanent	-	Mixed oak (Peeled) 38-50¢ per lineal foot
Temporary	-	Mixed Hardwoods (Unpeeled) 15-30¢ per lineal foot



# Custom Rates for Lumber Production

## (Northern Area)

	Commercial Sawmills		Custom Sawmills	
	Range	Average	Range	Average
Timber Cutting	\$ 7.00-10.00	\$ 8.75	\$ 8.00-10.00	\$ 9.60
Hauling	7.00-20.00	14.40	10.00-15.00	15.40
Sawing	20.00-35.00	28.80	22.00-30.00	25.30

## (Southern Area)

Timber Cutting	\$ 7.00-10.00	\$ 8.50	\$ 7.00-10.00	\$ 8.00
Hauling	7.50-20.00	10.75	7.50-15.00	8.30
Sawing	20.00-27.50	24.40	17.50-25.00	20.50

Publications on timber marketing are as follows:

Extension Bulletin No. 280	-	How to Measure Logs
" " No. 282	-	How to Measure Trees
" " No. 283	-	Wooden Fence Posts
" " No. 293	-	How to Measure A Woods
Extension Leaflet No. 384	-	Recommended Minimum Timber Cutting Practices for Indiana
Mimeo F-4	-	How to Use the Tree Measuring Stick
Mimeo F-8	-	Marketing Farm Timber

These publications or additional copies of this mimeo may be obtained from county agent's office or from district Extension specialists:

A. N. Liming, District Extension Forester  
Tyson Library, Versailles, Indiana

A. T. Parrish, District Extension Forester  
Court House, Albion, Indiana

W. L. Fix, District Extension Forester  
Post Office Building, Jasper, Indiana

F. T. Miller, District Extension Forester  
Post Office Building, Rockville, Indiana



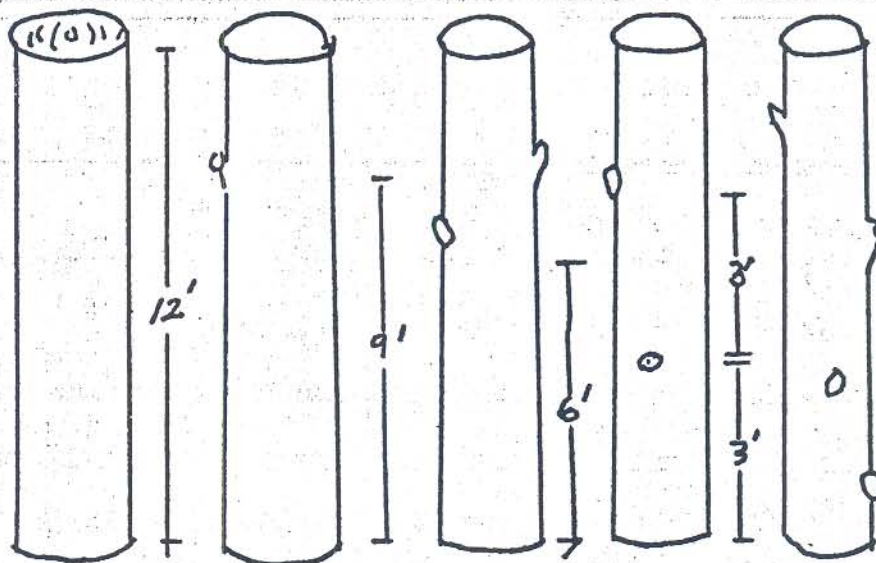
## Purdue Saw Log Grades 1/

**Prime** - Practically (90 percent) surface clear on three visible faces. (A face is any one-quarter of the surface of a log.) Must be 16 inches or more in diameter inside bark at the small end.

**No. 1** - At least three-fourths (75 percent) of the log length on the three visible faces must be surface clear in one section. Must be at least 14 inches in diameter inside bark at the small end.

**No. 2** - At least one-half (50 percent) of the log length must be surface clear on the three visible faces in two sections, neither of which can be less than 3 feet long. Must be at least 10 inches in diameter inside bark at the small end.

**No. 3** - Will not meet No. 2 specifications.



**Prime**  
16" or  
larger  
90% clear

**No. 1**  
14" and  
larger  
75% clear

**No. 2**  
10" in  
Diameter  
and larger  
50% clear

**No. 2**

**No. 3**

1/ Log quality depends to a large degree on log size, and the number and location of surface defects. A detailed discussion of grading saw-logs is given in Agricultural Extension Bulletin #346, How to Grade Hardwood Saw-logs. This can be obtained from county agents or by writing to the Agricultural Extension Service at Purdue University, Lafayette, Indiana.